

Preliminary Findings of the Waste Waster Assessment in Districts 1,2,3,4 and 12

12th November 2013

Introduction

As part of the UNICEF-REACH agreement, REACH were asked to create a household level assessment regarding Waste Water Sources and the location of unofficial waste water deposits (“Septic Tanks”)

Questions Asked:

- **Is there a source of Waste Water**
- **Waste Water Source Type**
 - Private Sink for washing clothes
 - Private Sink for washing vegetables
 - Washing machine
 - Private Shower
 - Private bathroom
 - Other (Specify)
- **Waste Water Deposit Type**
- **How many Septic Tanks (inside/outside)**
- **What does the water flow through (Pipe type)**
- **How many people in the Household**
- **Does the Household have private water storage**

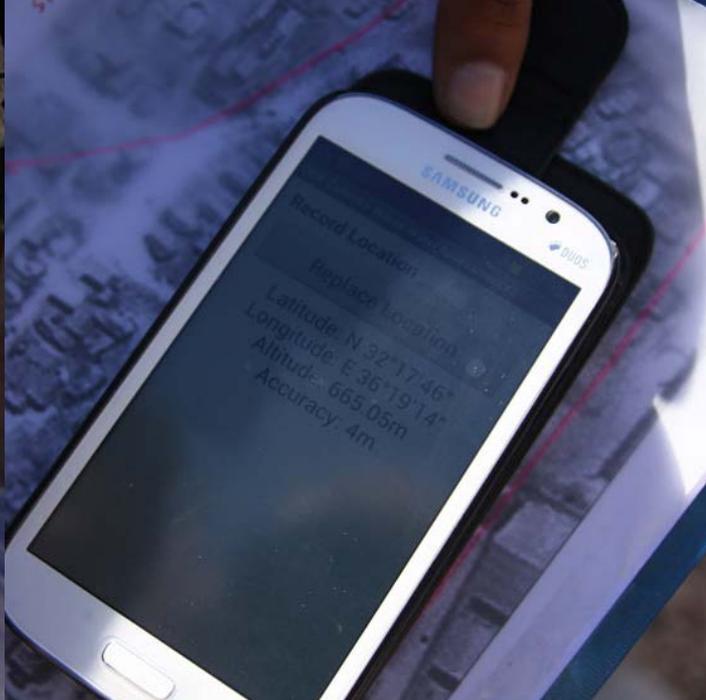
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FINDINGS

Key findings

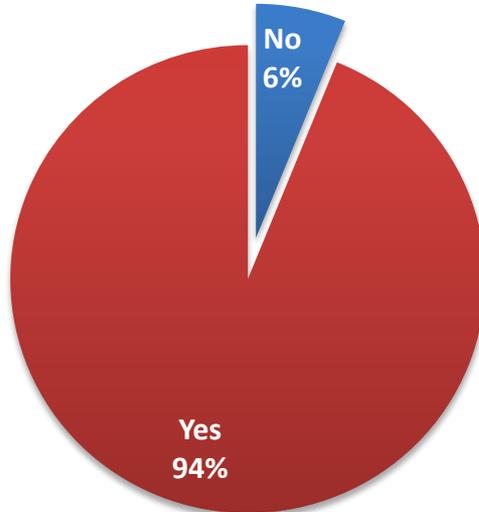
Old Camp (districts 1, 2, 3, 4, 12)

- 4,381 Households with reported Waste Water Source
- 31,885 people with access to a Waste Water Source

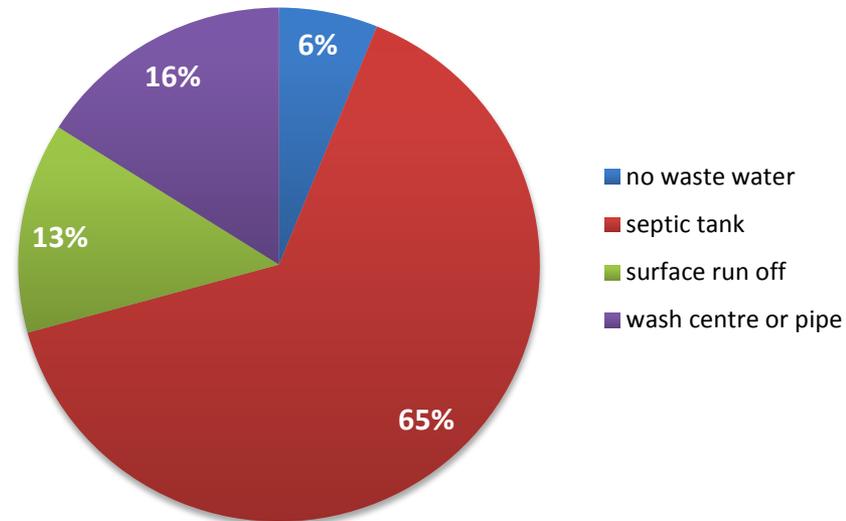
Average population of household with a waste water source: 7

Average number of septic tank per household: 1

Wastewater in households



Where waste water flows to?

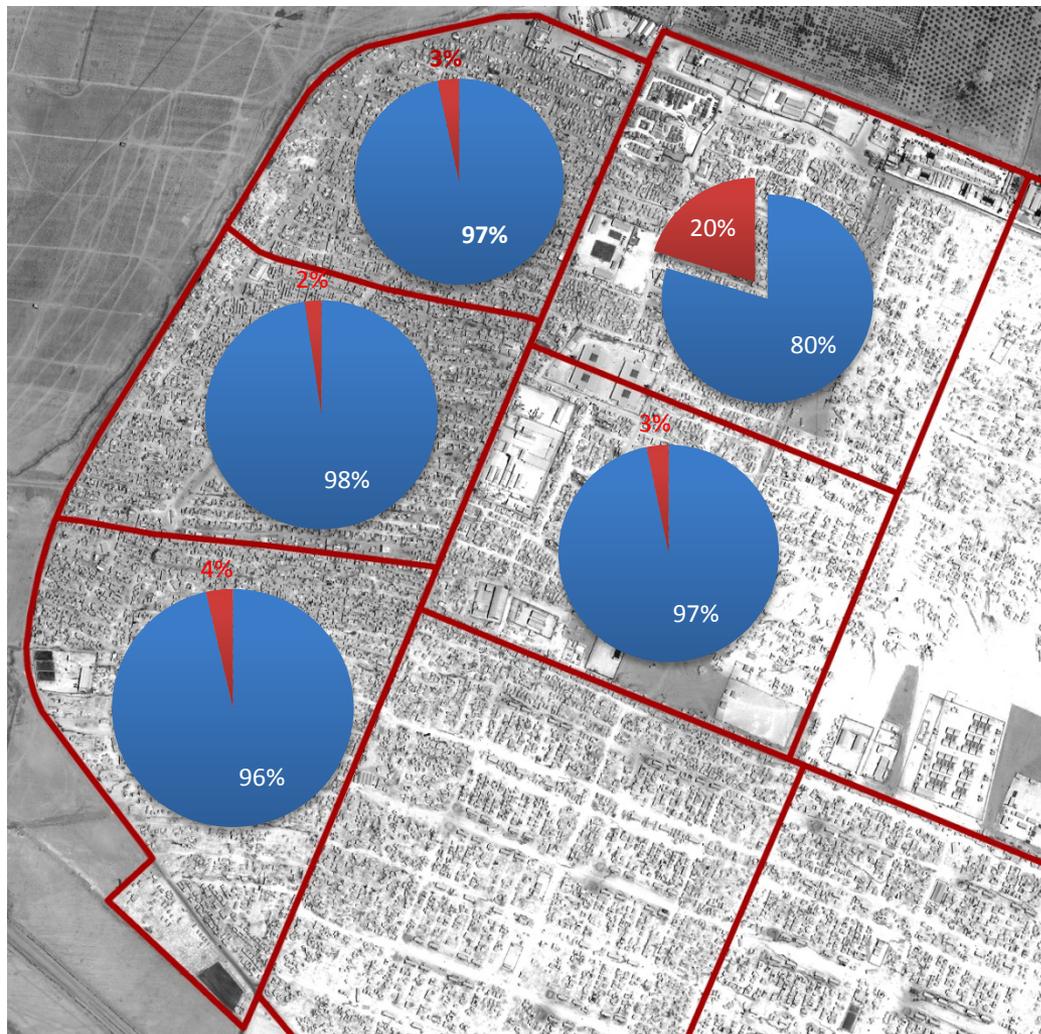
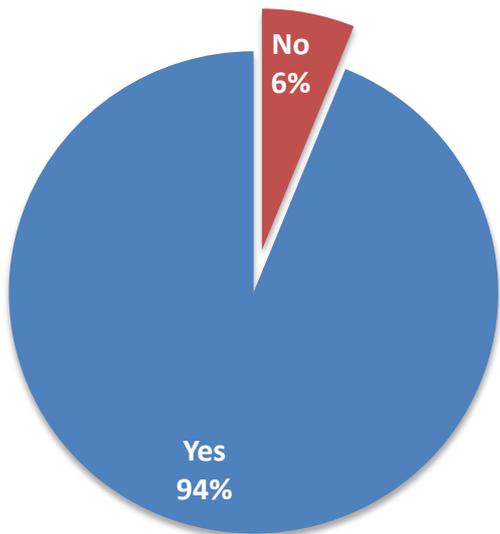


In partnership with:

Houses with or without a source of waste water

Wastewater in households

■ yes ■ no



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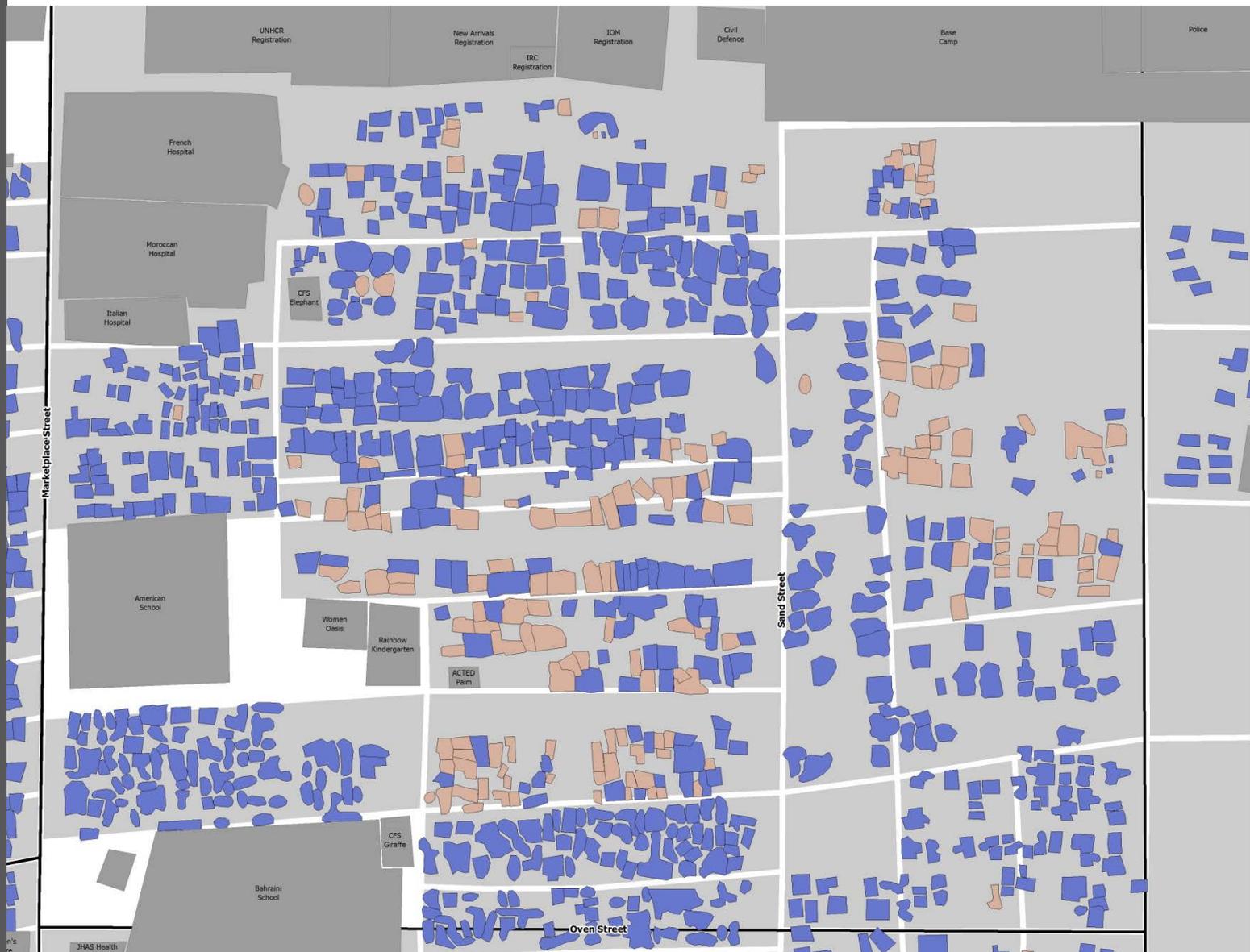
Houses with or without a source of waste water



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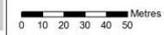
Houses with or without a source of wastewater



Location of the district in the camp



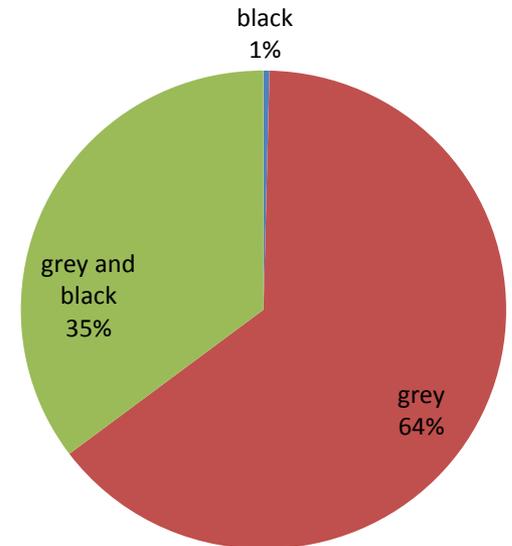
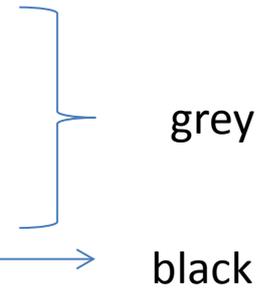
- Houses with waste water source
- Houses without waste water source
- District boundaries
- Streets
- Camp Facilities



Data Source: REACH, UNHCR
 Projection: WGS 1984 UTM Zone 37N
 Waste Water data: ACTED / REACH - September - November 2013
 Satellite Acquisition Date: 19/09/2013 by DigitalGlobe
 Provided by: UNOSAT
 Map Reference: JOR_Za'atari_WWA_wastewater-source_03
 Contact: reach-mexa@impact-initiatives.org
 Note: Data, designations and boundaries contained on this map are not warranted to be error free and do not imply acceptance by the REACH partners, associates or donors mentioned on this map.

Waste water source types

- Private Sink for washing clothes
- Private Sink for washing vegetables
- Washing machine (laundry)
- Private Shower
- Private bathroom
- Other (specify)



In partnership with:

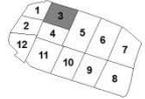


Waste water source types

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Location of the district in the camp



Status of WASH Centre

- destroyed
- intact
- locked

Waste Water Type

- grey water
- black and grey water
- black water
- no waste water

Camp Facilities

District boundaries

Streets



Data Source: REACH, UNHCR
 Projection: WGS 1984 UTM Zone 37N
 Waste Water data: ACTED / REACH - September - November 2013
 Satellite Acquisition Date: 19/09/2013 by Digitalglobe
 Provided by: UNOSAT
 Map Reference: JOR_Zaafra_WWA_wastewaterTY PE2_d3
 Contact: reach.iraq@impact-initiatives.org

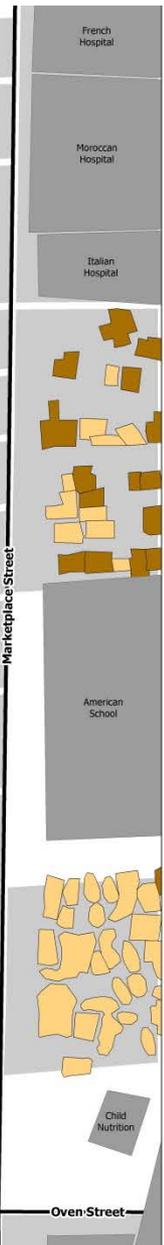
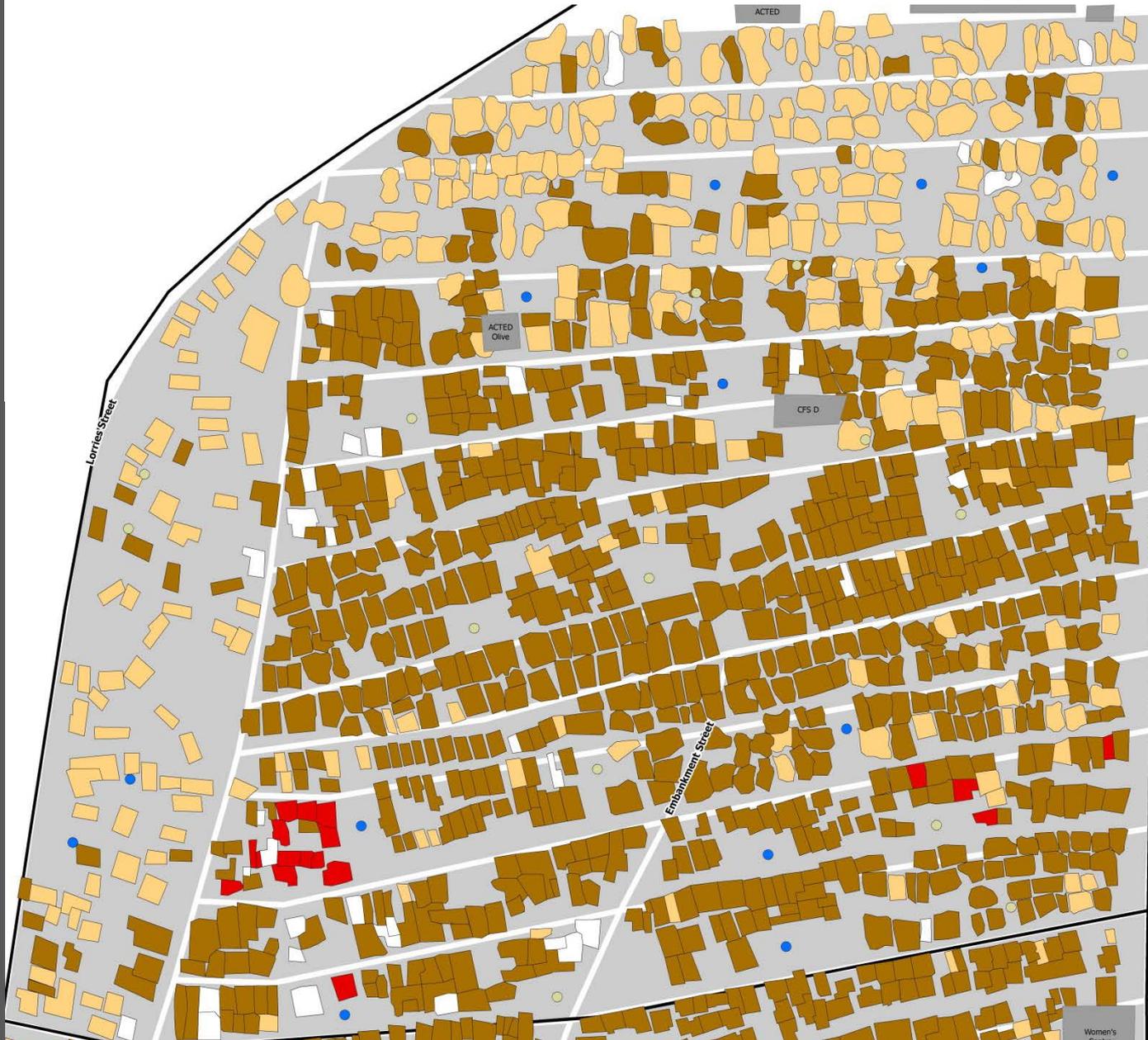
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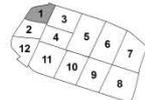
Wastewater source types

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Location of the district in the camp



Status of WASH Centre

- destroyed
- intact
- locked

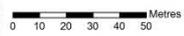
Waste Water Type

- grey water
- black and grey water
- black water
- no waste water

■ Camp Facilities

□ District boundaries

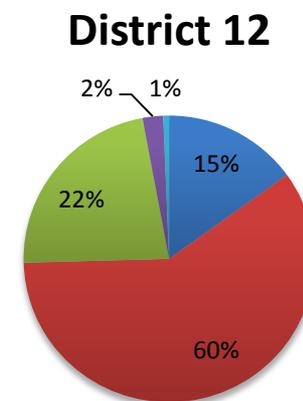
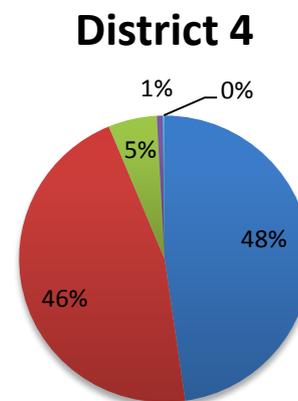
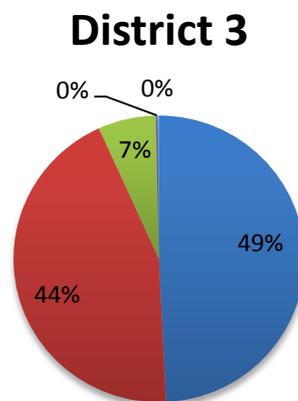
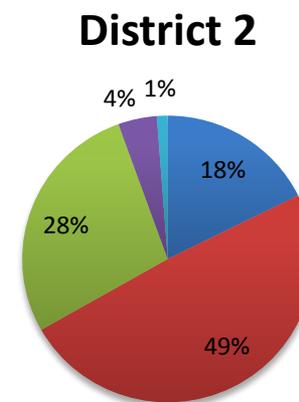
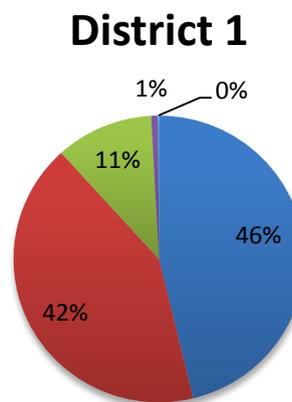
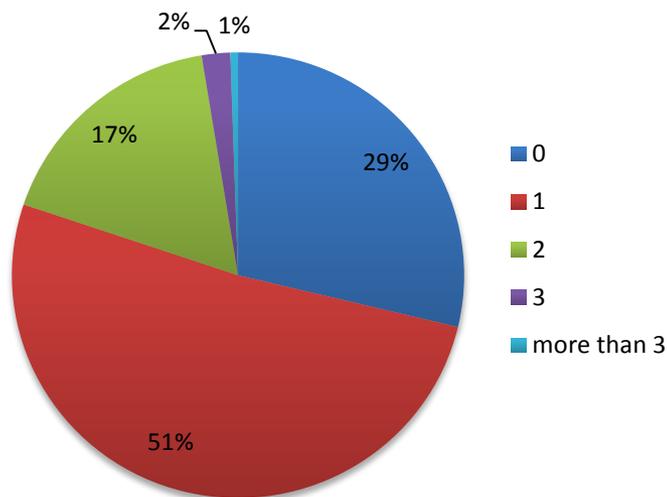
■ Streets



Data Source: REACH, UNHCR
 Projection: GCS WGS 1984
 Waste Water data: ACTED / REACH - September - November 2013
 Satellite Acquisition Date: 19/09/2013 by DigitalGlobe
 Provided by: UNOSAT
 Map Reference: JOR_Center_WW_wastewater/TYPE2
 Contact: reach.mena@impact-initiatives.org

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Quantities of septic tank per household



Septic tank:

- Tank
- Barrel
- Large pit
- Small pit

Quantities of septic tank per household

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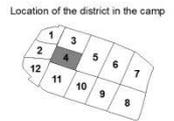
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Quantities of septic tank per household

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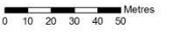
Status of WASH Centre

- destroyed
- locked
- intact
- Septic Tanks
- Pipes and ditches
- Camp Facilities

Septic tanks per household

- No Waste Water
- 0
- 1
- 2
- 3
- 4
- 5
- 7

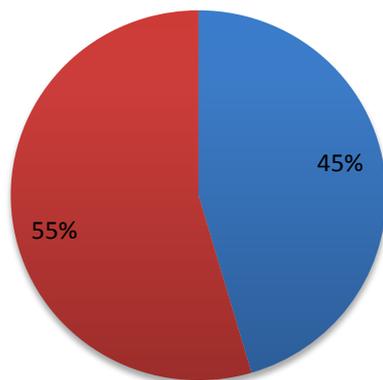
□ District boundaries
 — Streets



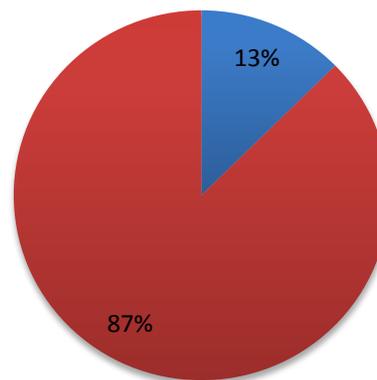
Data Source: REACH, UNHCR
 Projection: WGS 1984 UTM Zone 37N
 Waste Water data: ACTED / REACH - September - November 2013
 Satellite Acquisition Date: 19/09/2013 by Digipix/le
 Provided by: UNOSAT
 Map Reference: JOR_Zastar_WWA_tanks_paper_04
 Contact: reach.mena@impact-initiatives.org
 Note: Data, designations and boundaries contained on this map are

Household sewage network – connection with WASH Centres and public drainage system

District 1



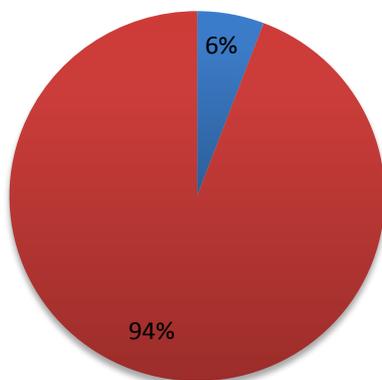
District 2



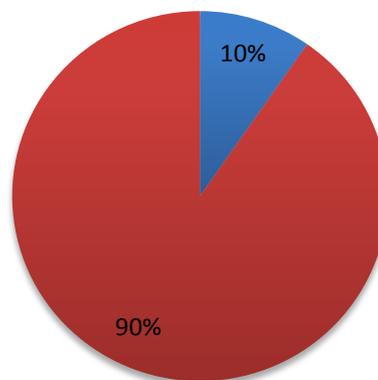
■ connected with WASH Centre or public network

■ not connected with WASH Centre or public network

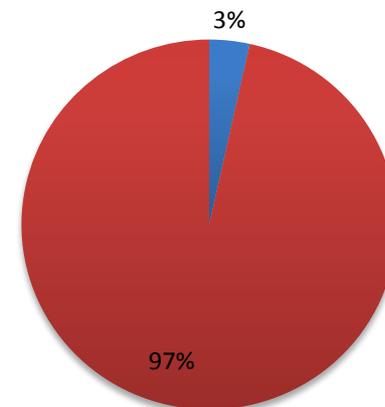
District 4



District 3



District 12

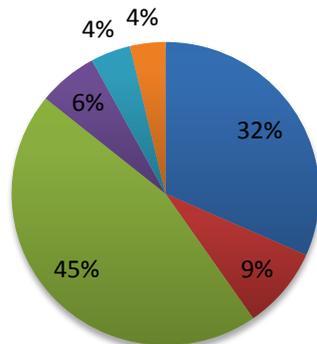


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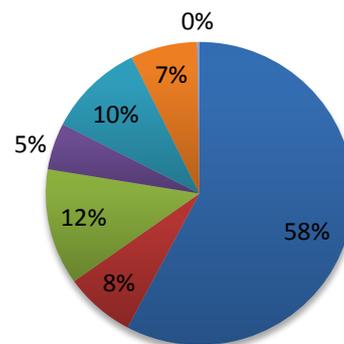


Household sewage network – connection with WASH Centres and public drainage system

District 1

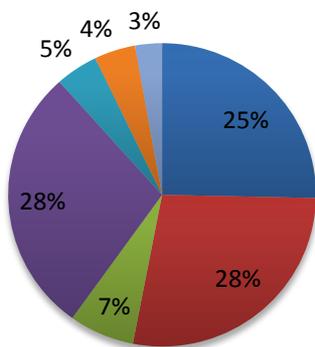


District 2

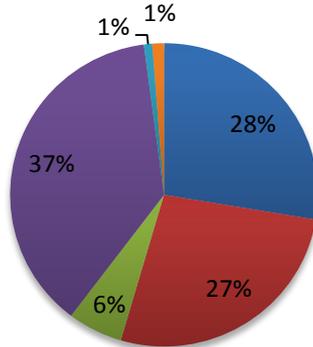


- Large pit
- Small pit
- Wash Centre
- Surface run off
- Plastic tank
- Barrel
- Other

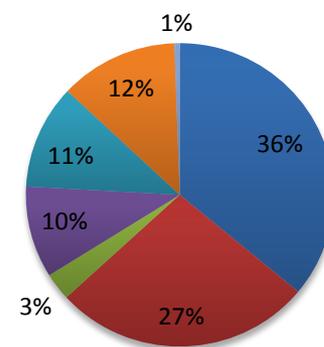
District 3



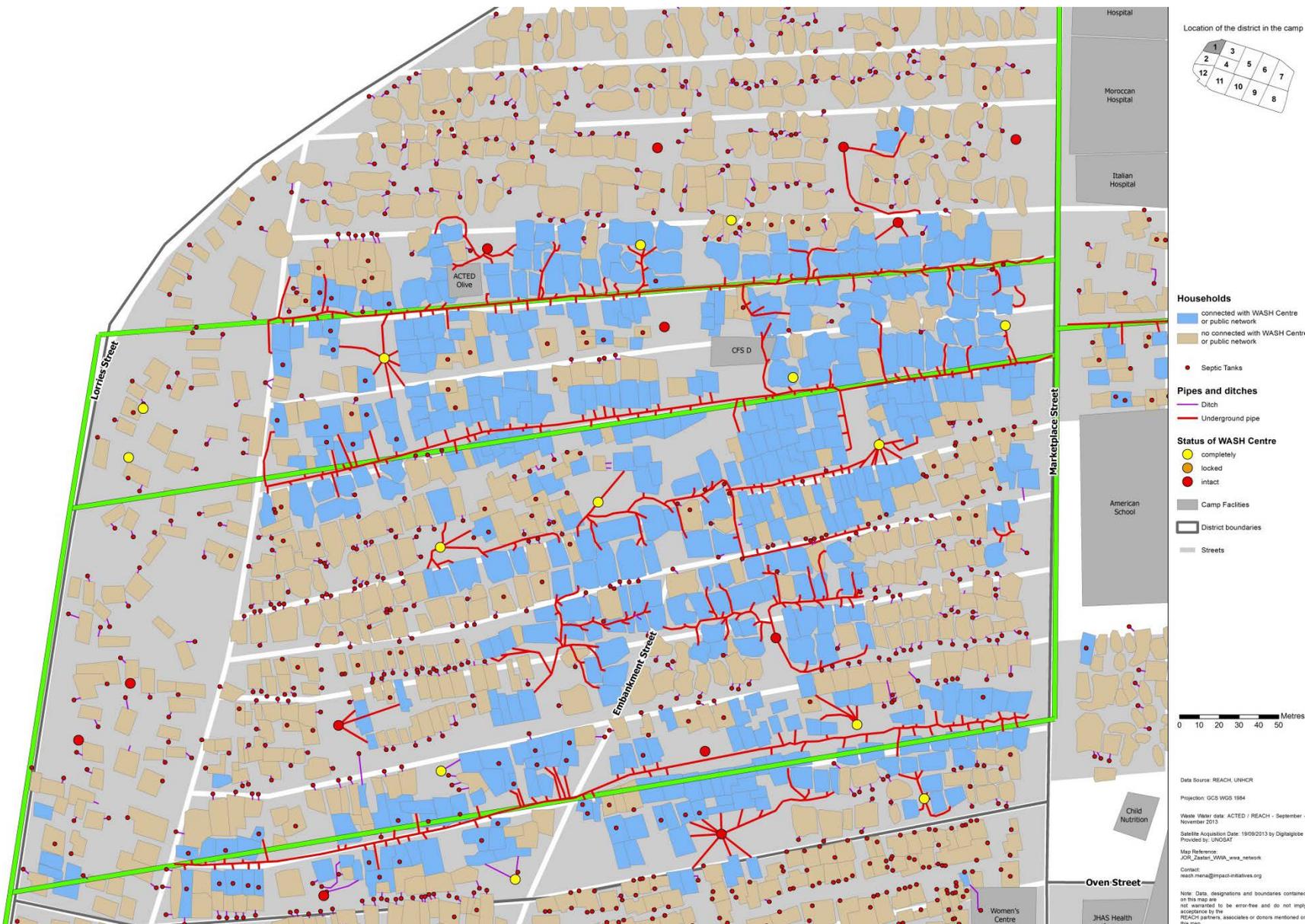
District 4



District 12



Household sewage network – connection with WASH Centres and public drainage system



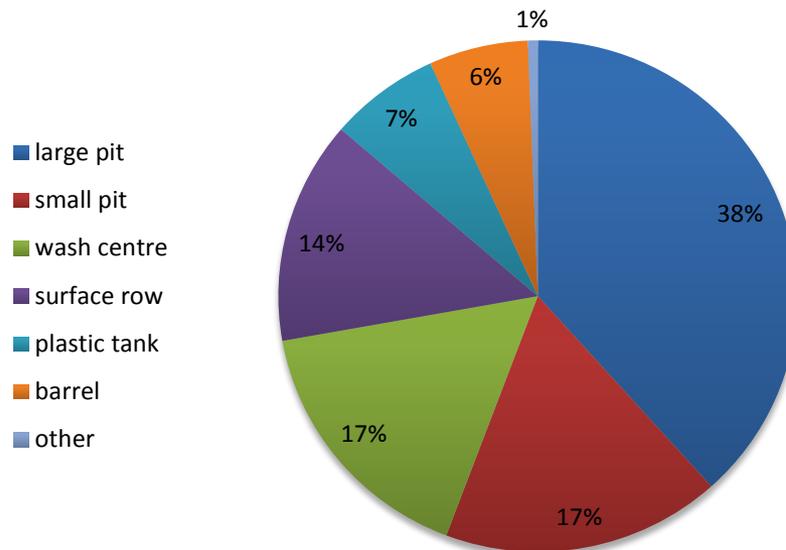
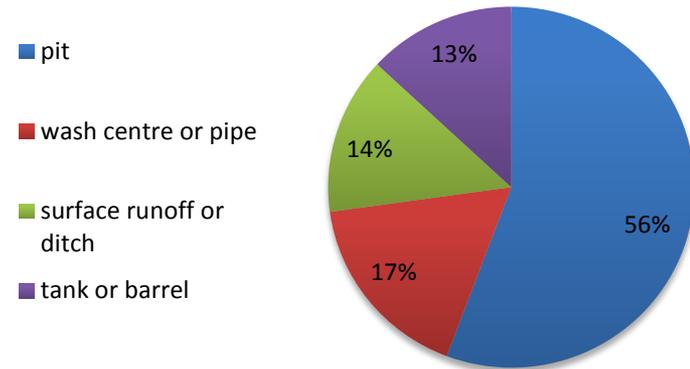
Household sewage network – connection with WASH Centres and public drainage system



Primary deposit of wastewater

Types of wastewater disposal:

- Pit (large, small)
- Wash Centre
- Surface run off (ground, ditch)
- Tank or barrel

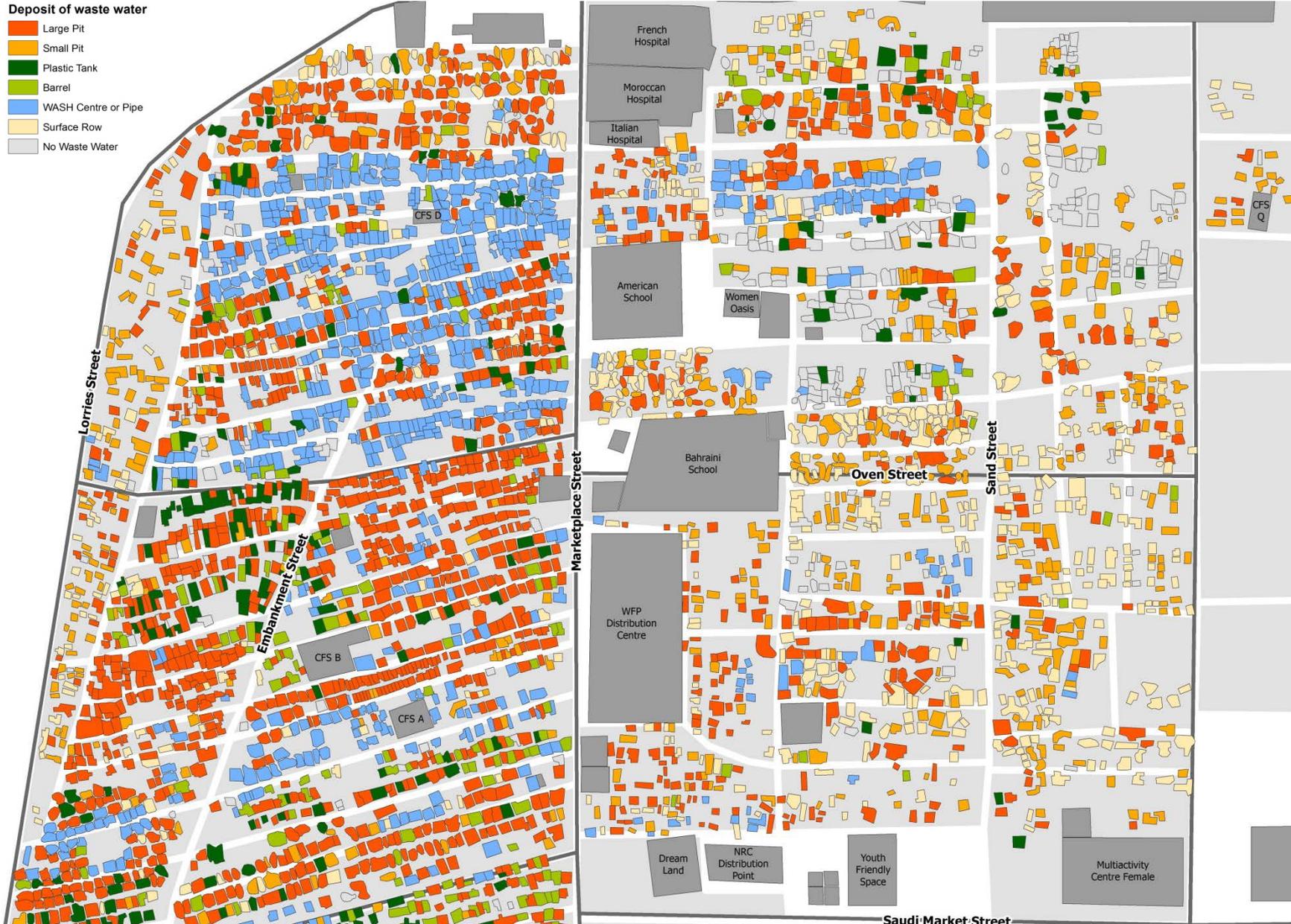


In partnership with:

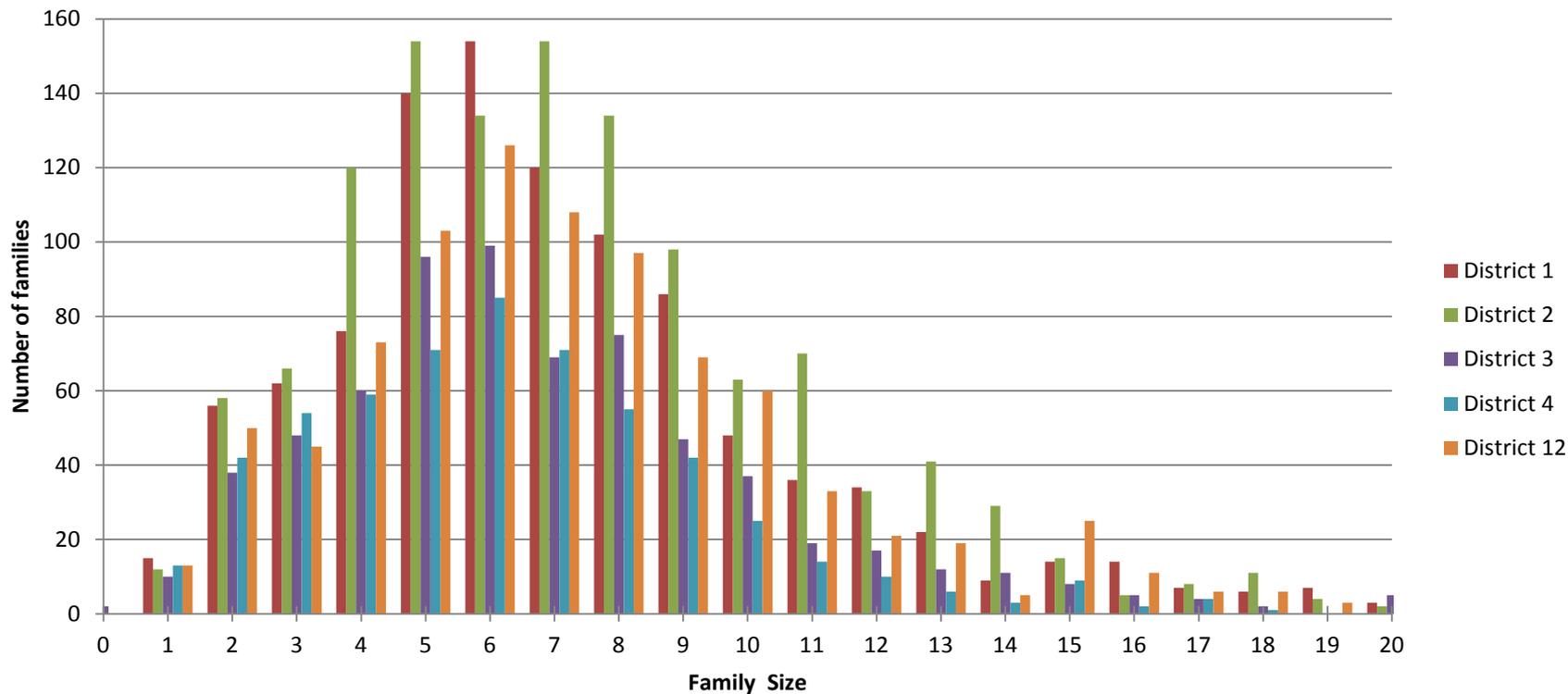
Primary deposit of wastewater

Deposit of waste water

- Large Pit
- Small Pit
- Plastic Tank
- Barrel
- WASH Centre or Pipe
- Surface Row
- No Waste Water



Distribution of Family Size per District with a Waste Water Source



Population and quantity of septic tanks

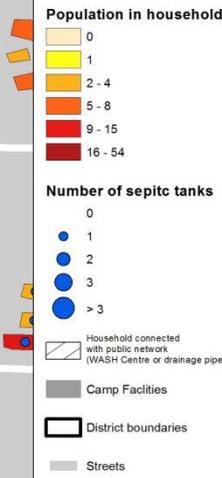
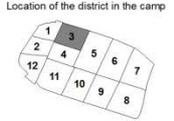
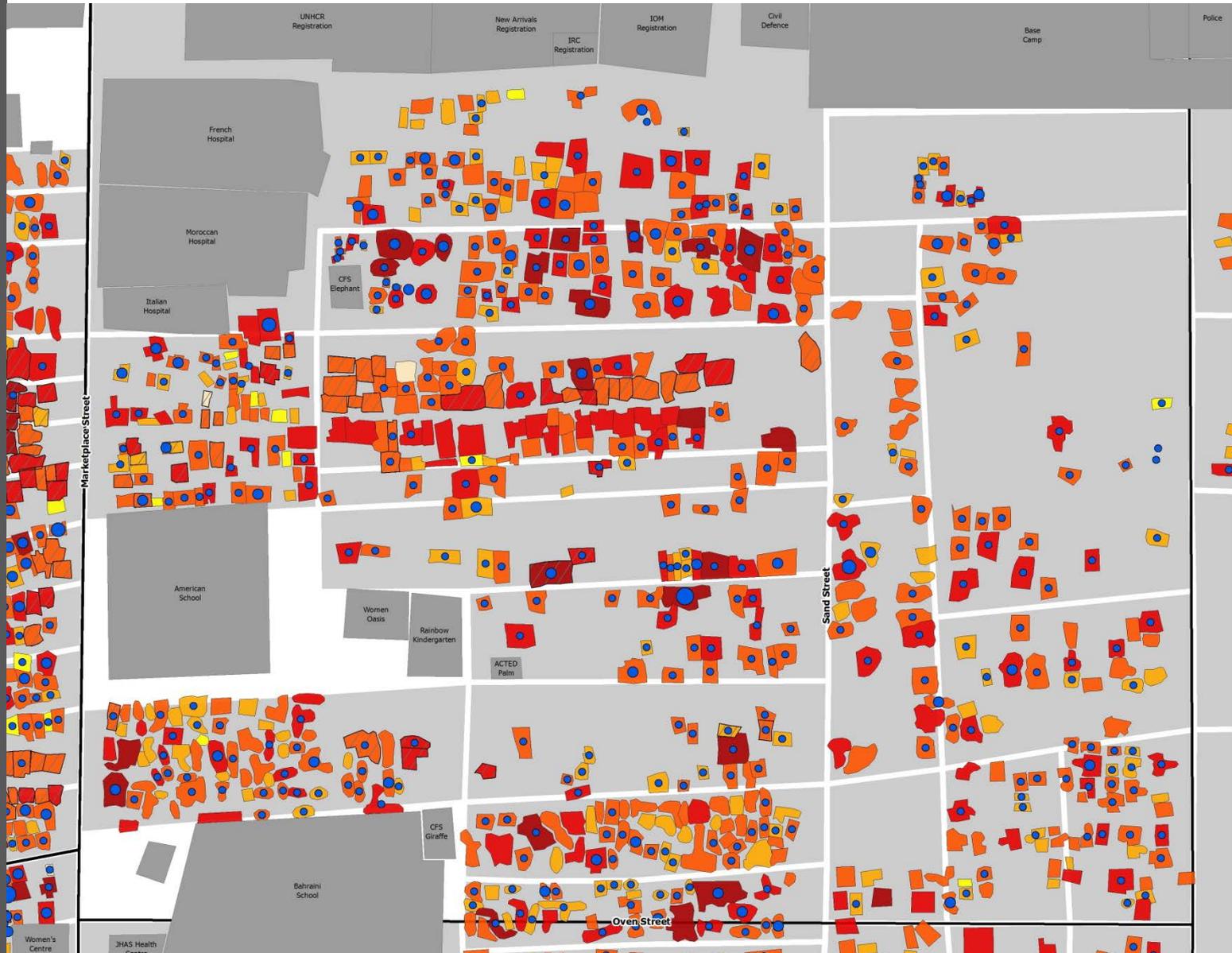
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Population and quantity of septic tanks

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 Projection: WGS 1984 UTM Zone 37N
 Waste Water data: ACTED / REACH - September - November 2013
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 Provided by: UNOSAT
 Map Reference: JRC_Zaafan_WWA_population_03
 Contact: reach_mea@impact-initiatives.org
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Any Questions?

For any REACH Data, please contact:

Reach.mena@impact-initiatives.org